



STUDIO COOL

*ARRI Studio Cool
4-Bank*



Colour: Black
 Electronic versions:
 110V 230V
 Dual Switch L1.84014.A L1.84014.B
 Multi Control L1.84004.A L1.84004.B
 Phase Control L1.84024.A L1.84024.B

Technical data:
 Dimensions (mm): 606L x 314B x 171H
 Weight: 7,7kg
 Compliance: ce, cNRTL, IECEE
 Lamp type: U-shaped compact fluorescent tubes 55W/SE
 3200K or 5600K*1
 Lamp base: 4-Pin-Socket 2G11
 Reflector: 90°

Accessories:
 4-leaf barn door, black L2.84066.0

Egg crates:
 Silver/honeycomb L2.84065.C
 Silver/quadratic 13mm L2.84065.A
 Silver/quadratic 15mm L2.84065.B
 White/quadratic 13mm L2.84065.E
 Black/quadratic 13mm L2.84065.D

Reflectors:
 90° L2.84137.0
 120° L2.84059.0

Intensifier L2.84068.0

Filter frame L2.84064.0

P.O.-Stirrup
 for pole operation L2.84070.0

Extension cable 2m L2.84080.0
 Extension cable 5m L2.84080.B

Baby plate spigot 28mm and swivel incl. socket 16mm L2.84559.0
 Baby plate spigot 16mm and swivel L2.84542.0
 Baby plate with Super-clamp L2.84547.0

Ghost load*2 230V L2.84090.B

Electronic modules:
 110V 230V
 Dual Switch L2.84114.A L2.84114.B
 Multi Control L2.84104.A L2.84104.B
 Phase Control L2.84124.A L2.84124.B

*ARRI Studio Cool
2-Bank*



Colour: Black
 Electronic versions:
 110V 230V
 Dual Switch* L1.84012.A L1.84012.B
 Multi Control L1.84002.A L1.84002.B
 Phase Control L1.84022.A L1.84022.B
 *Only On/Off switch

Technical data:
 Dimensions (mm): 606L x 188B x 171H
 Weight: 5,4kg
 Compliance: ce, cNRTL, IECEE
 Lamp type: U-shaped compact fluorescent tubes 55W/SE
 3200K or 5600K*1
 Lamp base: 4-Pin-Socket 2G11
 Reflector: 90°

Accessories:
 4-leaf barn door, black L2.84006.0

Egg crates:
 Silver/honeycomb L2.84065.C
 Silver/quadratic 13mm L2.84065.A
 Silver/quadratic 15mm L2.84065.B
 White/quadratic 13mm L2.84065.E
 Black/quadratic 13mm L2.84065.D

Reflectors:
 90° L2.84030.0
 120° L2.84020.0

Intensifier L2.84009.0

Filter frame L2.84007.0

P.O.-Stirrup
 for pole operation L2.84175.0

Extension cable 2m L2.84080.0
 Extension cable 5m L2.84080.B

Baby plate spigot 28mm and swivel incl. socket 16mm L2.84559.0
 Baby plate spigot 16mm and swivel L2.84542.0
 Baby plate with Super-clamp L2.84547.0

Ghost load*2 230V L2.84090.B

Electronic modules:
 110V 230V
 Dual Switch L2.84112.A L2.84112.B
 Multi Control L2.84102.A L2.84102.B
 Phase Control L2.84122.A L2.84122.B

*ARRI Studio Cool
2+2-Bank*



Colour: Black
 Electronic versions:
 110V 230V
 Dual Switch* L1.84112.A L1.84112.B
 Multi Control L1.84102.A L1.84102.B
 Phase Control L1.84122.A L1.84122.B
 *Separate On/Off switch for right and left lamp pair

Technical data:
 Dimensions (mm): 1195L x 188B x 171H
 Weight: 8,8kg
 Compliance: ce, cNRTL, IECEE
 Lamp type: U-shaped compact fluorescent tubes 55W/SE
 3200K or 5600K*1
 Lamp base: 4-Pin-Socket 2G11
 Reflector: 90°

Accessories:
 4-leaf barn door, black L2.84145.0

Egg crates:
 Silver/honeycomb L2.84065.C
 Silver/quadratic 13mm L2.84065.A
 Silver/quadratic 15mm L2.84065.B
 White/quadratic 13mm L2.84065.E
 Black/quadratic 13mm L2.84065.D

Reflectors:
 90° L2.84155.0
 120° L2.84158.0

Intensifier L2.84147.0

Filter frame L2.84146.0

P.O.-Stirrup
 for pole operation L2.84149.0

Extension cable 2m L2.84080.0
 Extension cable 5m L2.84080.B

Baby plate spigot 28mm and swivel incl. socket 16mm L2.84559.0
 Baby plate spigot 16mm and swivel L2.84542.0
 Baby plate with Super-clamp L2.84547.0

Ghost load*2 230V L2.84090.B

Electronic modules:
 110V 230V
 Dual Switch L2.84212.A L2.84212.B
 Multi Control L2.84202.A L2.84202.B
 Phase Control L2.84222.A L2.84222.B

ARRI Studio Cool Flexibility



Removable electronics module



Convertible reflectors 90° and 120°

Control versions



Dual Switch

One On/Off switch of two fluorescent tubes each



Multi Control

Either DMX 512 or 0-10V analog dimming

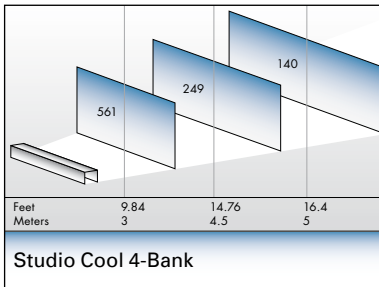


Phase Control

For conventional dimming with phase controlled modulator

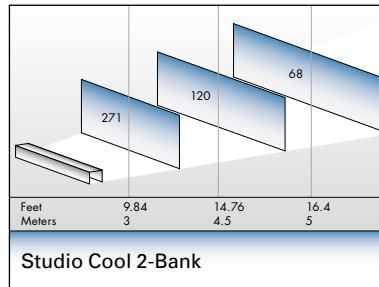
Illuminance

Illuminance intensity in lux ($lx=fc \times 10,8$) without intensifier



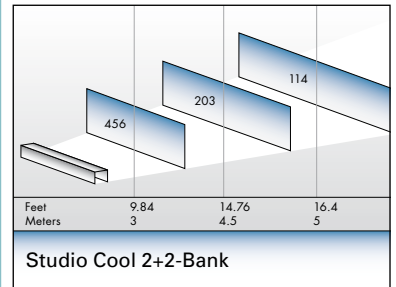
With intensifier doubling of illuminance intensity at restricted half power angle!

Illuminance intensity in lux ($lx=fc \times 10,8$) without intensifier



With intensifier 50% increase of illuminance intensity at restricted half power angle!

Illuminance intensity in lux ($lx=fc \times 10,8$) without intensifier



With intensifier 50% increase of illuminance intensity at restricted half power angle!

*1 Please note that the performance of the Studio Cool significantly depends on the fluorescent tubes. .

*2 By singular use of the lamphheads some phase controlled modulators require the interposition of an additional ghost load.

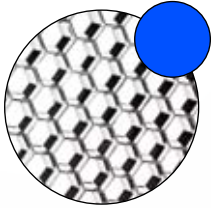


Operator convenience through hinged accessory holder



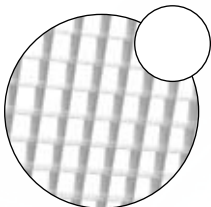
Daisy chain" up to six 4-Bank in one circuit

Egg Crates



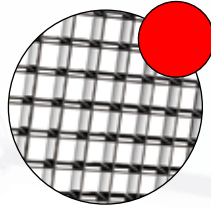
Silver/honeycomb

- Edge extension 16 mm
- Restricted emission angle (4-Bank: 90° x 110°) to 80° x 80°
- Slight increase of illumination intensity
- Nearly orbital light field
- Very consistent light spread
- Effective lamination with barn door possible



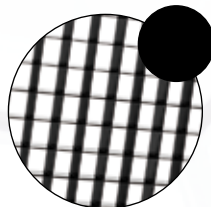
White/quadratic

- Edge extension 13 mm
- Restricted emission angle (4-Bank: 90° x 110°) to 62° x 66° in the core area
- Increase of illumination intensity of 10%
- Smooth light fall-off in the border area
- Rectangular light field
- Consistent light spread



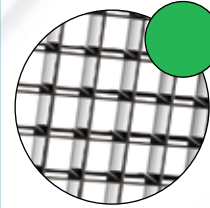
Silver/quadratic

- Edge extension 13 mm
- Restricted emission angle (4-Bank: 90° x 110°) to 85° x 90°
- Slight increase of illumination intensity
- Rectangular light field
- Consistent light spread



Black/quadratic

- Edge extension 13 mm
- Restricted emission angle (4-Bank: 90° x 110°) to 51° x 54°
- Decrease of illumination intensity of 10% toward optical axis
- Effective lamination of border area
- Rectangular light field
- Consistent light spread



Silver/quadratic

- Edge extension 15 mm
- Restricted emission angle (4-Bank: 90° x 110°) to 80° x 85°
- Slight increase of illumination intensity
- Rectangular light field
- Consistent light spread

ARRI Studio Cool advantages at a glance

- Hinged accessory holder
- Removable electronics and ballast module
- Light-weight, but rugged aluminium extrusion housing
- 3 module versions: 4-Bank, 2-Bank, 2+2-Bank
- 3 control versions: Dual Switch, Multi Control, Phase Control
- 2 adapter options: yoke or baby plate
- Convertable reflektors: 90° and 120°
- Extensive accessories
- Dimming 1%-100% @230V; 3%-100% @120V
- Flicker-free <1%
- Operating frequency at full load 40kHz
- „Daisy chain“ up to six 4-Bank in one circuit

ARRI Studio Cool Series

With the Studio Cool series, ARRI has brought a new dimension of flexibility to fluorescent lighting. The requirement to meet the needs of both large and small studios led to the design of two interchangeable reflectors: a 120° beam angle type where throw is limited and a 90° version for a narrow, more controlled light field.



Atlas TV, Podgorica, Montenegro

Reflectors are fitted with quick-lock fasteners for easy exchange. A hinged accessory holder allows equally simple lamp changing in the rig. These are just two of the numerous practical details which make the Studio Cool series so easy to use.

Carefully selected accessories such as the barndoor, intensifier doors and a choice of five different egg crates give the user the maximum options for light control.

The removable electronics module is another example of design quality. Removing four screws allows the complete lamphead electronics to be quickly detached for ease of service. Three electronics options are available, dual switched, phase control for operation via a dimmer, or multicontrol giving DMX and analogue remote control as well as a manual dimmer for local control.

As with all ARRI fixtures, the Studio Cool series is designed for high strength and light weight. Extensive use of aluminium extrusions make it suitable for the toughest requirements.

Three different models 4-Bank, 2-Bank and 2+2 Bank cover virtually all applications, particularly in broadcast studios. Last but not least, the low heat, wide and even light distribution and low power consumption make the Studio Cool an indispensable tool not only for film and TV but also in the photographic studio.

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